Figure 1. Process Flow Chart



Query Handling

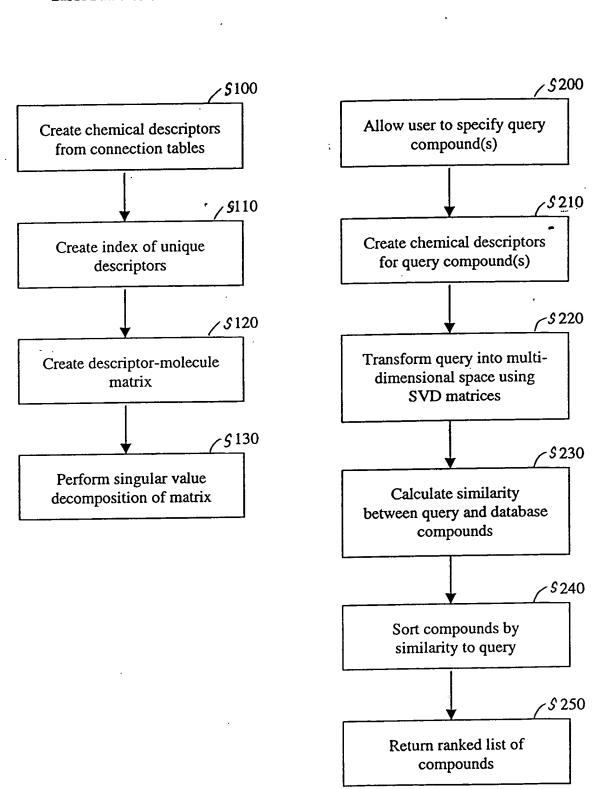


Figure 2. Probe and its twelve most similar monoterpenes selected using 2 singular values

4-1-butylcyclohexanol Probe molecule

6 Most similar by Tanimoto similarity

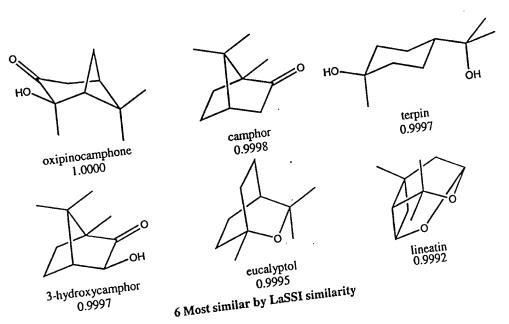
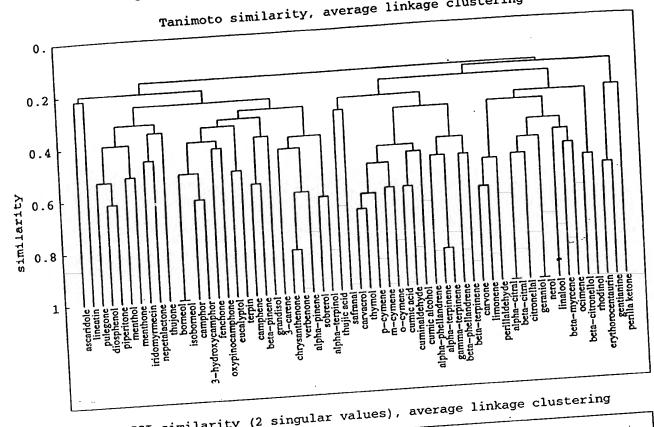
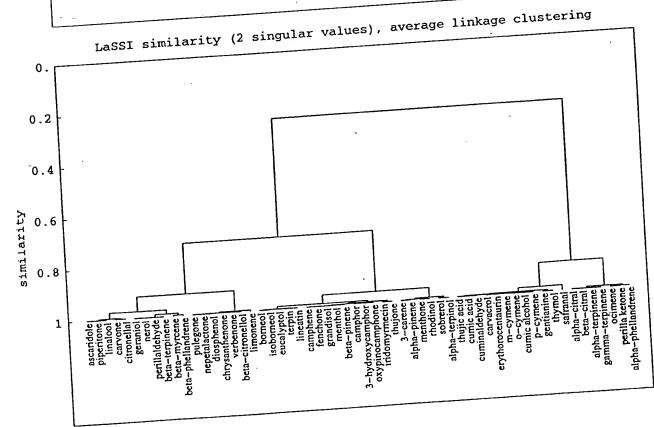


Figure 3. D ndrograms Showing Similarities For Tanimoto ans LaSSI

Tanimoto similarity, average linkage clustering





-0.05

-0.15

-0.2

-0.1

0

dimension 2

0.1

0.2

0.3

Figure 4. Two-dimensional Plot of Example Database Compounds and Probe Compound

Suresh, seally not seally not so right. We note this talk about this more. Richard

DOSTAND OFFICE

Standard probes used in this study. Each is labeled by the MDDR external registry, its name, and associated activity.

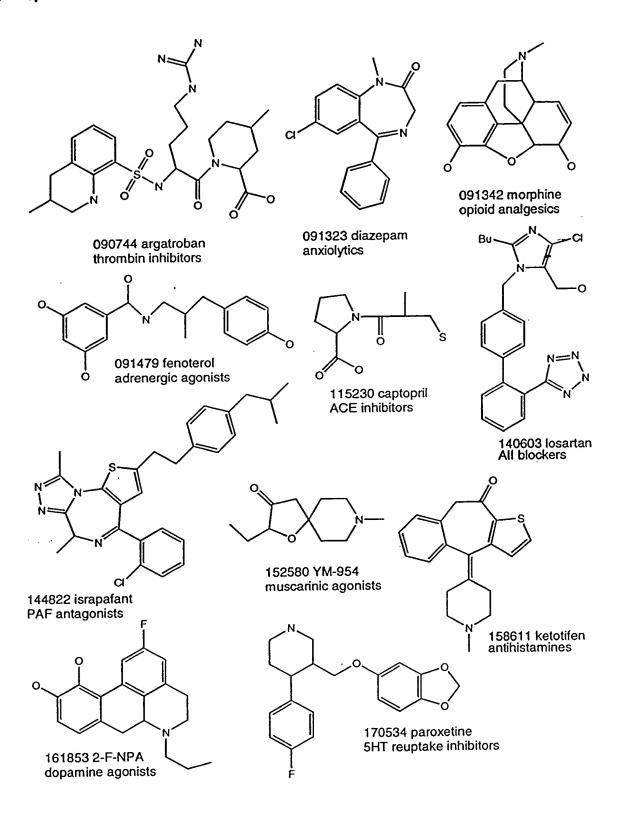


Figure 6b

Figure 8. The initial enhancement for LaSSI APTT vs the number of singular values shown for three examples.

Initial Enhancement vs Singular Values

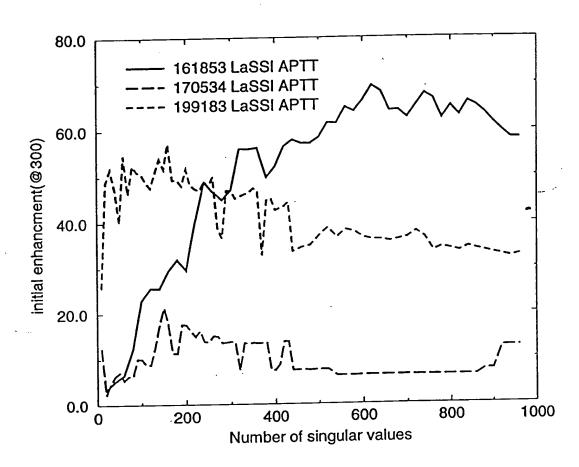
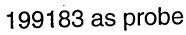


Figure 4. The correlatin of rank for Dice APTT and LaSSI APTT. The example is 199183 using 170 singular values. Each circle represents a HIV protease inhibitor.



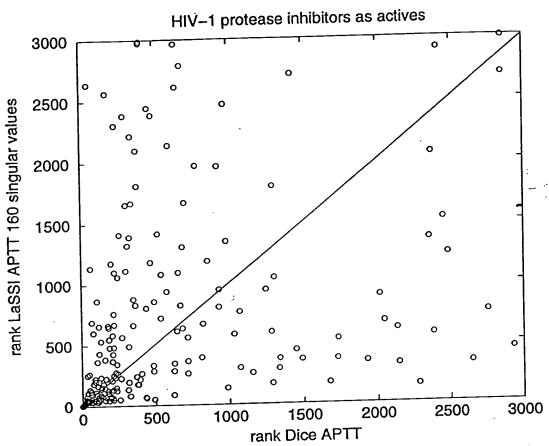
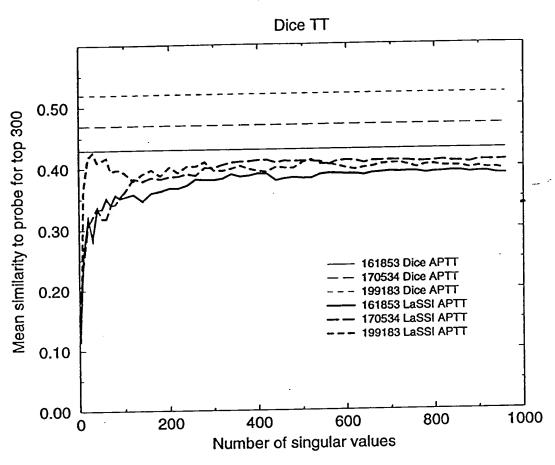


Figure \$. Selected compounds that have extremely different ranks in Dice APTT vs LaSSI APTT. The examples are 161853 with 800 singular values, 170534 with 150 singular values. The ranks in twe types of search are indicated.



similarity of the probe to each molecule in the top scoring 300 compounds (MSP300) for three MSP300 for Dice searches are shown as a horizontal lines. Fr comparison, the MSP300 for random sets of 300 compounds from MDDR would be 0.12-0.14.

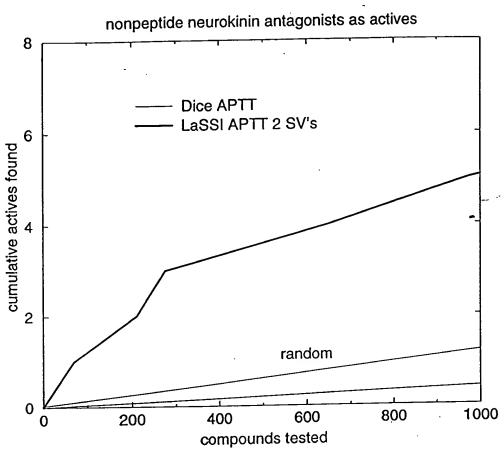
MSP300





mulative actives found vs compounds tested for 187236 as a probe. The actives are oxytocin antagonists that do not contain a dipeptide moiety.

187236 as probe



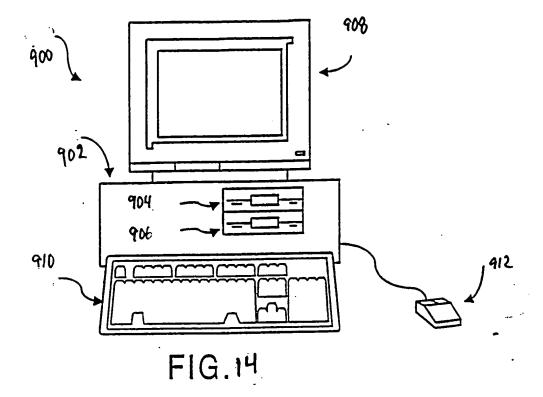


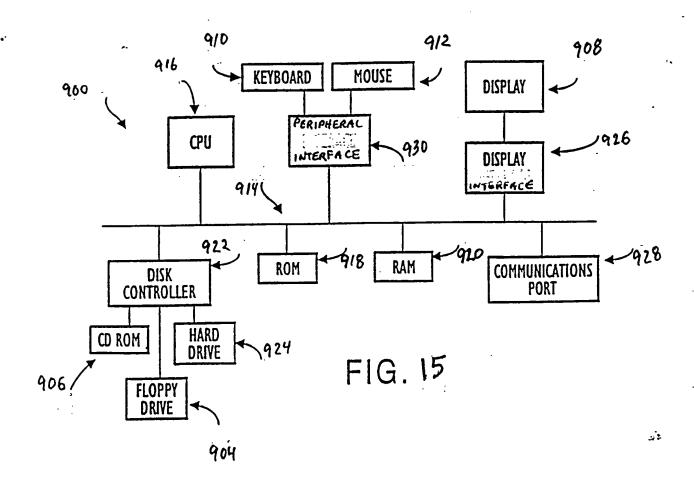
Selected non-peptide compounds that have extremely different ranks in Dice APTT vs LaSSI APTT for the statistically significant peptide t non-peptide examples.

174556 endothelin antagonists (9 SV's)

187236 neurokinin antagonists (2 SV's)

188541 gpllb/Illa receptor antagonists (15 SV's)





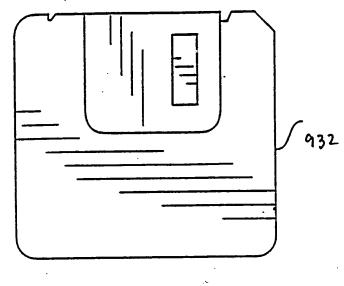


FIG. 16